



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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Governor

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Salt Lake City, Utah 84180-1203  
801-538-5340

May 13, 1992

Mr. Ken A. Kluksdahl  
Mine Manager  
Tenneco Minerals  
P.O. Box 2650  
St. George, Utah 84770

Dear Mr. Kluksdahl:

Re: Approval of Permit Amendments, Emergency Storage Pond #2, Carbon Rinse Circuit & Fourth Solution Pond, Tenneco Minerals, Goldstrike Mine, M/053/005, Washington County, Utah

The Division has completed its evaluation of Tenneco Minerals minor permit amendment proposals for the 2nd Emergency Storage Pond, Carbon Rinse Circuit and 4th Solution Pond. We received submittals on these projects from Tenneco on March 6th, April 3rd, April 6th and May 8, 1992, respectively. The Division hereby grants its approval of these operational/facility changes. It is our understanding that the State Division of Water Quality (DWQ) has approved of the 2nd Emergency Storage Pond, and approval of the Carbon Rinse Circuit & 4th Solution Pond is pending.

An increase in the size and number of operational ponds could raise the potential risk/concern of increased wildlife exposure to cyanide-bearing solutions. However, phasing out of the existing Merrill-Crowe zinc precipitation circuit and replacing it with a Carbon Adsorption Circuit(s) should effectively lessen the exposure risk by lowering the overall cyanide content in the leaching/processing solutions. To date, Tenneco's monthly wildlife mortality records have not indicated that a problem exists on the site.

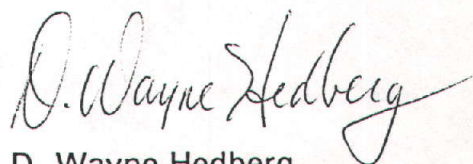
The Division requests that those process solution ponds containing cyanide continue to be netted. The fresh/make-up water and emergency storage ponds need not be netted at this time. If an increase in wildlife mortality rate occurs, resulting from the use of the new emergency ponds, then netting will be required.



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Ken A. Kluksdahl  
M/053/005  
May 13, 1992

Thank you for your patience and continued cooperation in keeping us apprised of required operational changes at the Goldstrike Mine. Please call if we can answer questions or be of further assistance in this regard.

Sincerely,

A handwritten signature in dark ink, reading "D. Wayne Hedberg". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

D. Wayne Hedberg  
Permit Supervisor  
Minerals Regulatory Program

jb

cc: Kiran Bhayani, DWQ  
Debra Brannum, TMC (corporate)  
Debra Pietrzak, BLM, Dixie RA  
Lowell Braxton, DOGM  
M053005.pnd